1910

(Agriculture)

F. No. 90

S. No. 7 Ke

Sub:- presentation of Albums and photos to the India Office London.

G. R. S. 59]

GENERAL AND REVENUE SECRETARIAT.

1910
~~190~~.
Agriculture )

**File No.** 90

**Serial Nos.** 7 & 8

**Papers Filed.**

*Month* January 1912

SUBJECT.

Presentation of albums and photos to the India Office, London

| PREVIOUS REFERENCES. | LATER REFERENCES. |
| --- | --- |
| Nos 1-6 of the same file. | |

B Suryanarayana Rao
17/1/12

G.R.S. 11] 191 /

GENERAL AND REVENUE SECRETARIAT.

( Agn )

NOTES

File No. 90-11

FILE HEADING.

Festival of Empire, Imperial Exhn and Pageant of London, 1911

From

The Economic Botanist & President Dasara Exhn Comm.

No. 1652 Dated 24-12-11 Received 3.1.12

| Diary No. 2803 | Enclos. 1 | Spare Copies. | Serial No. 7 |
|---|---|---|---|

BRIEF ABSTRACT OF LETTER.

Forwards a copy of letter of 20.10.11 from the Chairman Festival of Empire to London Communicating the thanks of the Committee for the Albums of photos sent to the Exhn and requesting that the sanction of the Mysore Govt may be communicated to him for handing over the portraits of the Maharaja of Mysore to the Secy of State for India

NOTES AND ORDERS.

Subn

It is understanding that the photos of H.H. the Maharaja of Mysore & of H.H. the late Maharaja and Views pictures of places of interest in the Mysore

NOTES—First Sheet.

GPB—30,000—12-8-11

G. R. S. 12 ]
General and Revenue Secretariat.

A/P File No. 90 of 1910

Serial No.

State would be placed at the India office, London for permanent record, they were sent vide 8 Nos 2 of Apl 90-11 & the letter to the Secy & H.H. dt 18.3.11 in the collection put up below. (Apl 90-11 8 Nos 1-6) But from the Chairman's letter it seems that only the 2 photos of H.H. the Maharaja & of H.H. the late Maharaja are proposed to be handed over to the Secy of State for permanent record in the India Office.

May no Kumbigal be informed that the Secy the Mysore Exhibits may be handed over to the Secy of State for India?

Sec (55) 6.1.12

Sec 6/1/12

Draft submd

Sec (55) 6.1.12

Sec 6/1/12

NOTE— Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12 ]
General and Revenue Secretariat.

Apr File No. 90 of 1910 -

| Serial No. | |
|---|---|
| 8 | To the President, Dasara Exhibition Committee. Letter No. R 3837 dt 10.1.12 |
| | With reference to 8 ante, states that the Chairman of the Indian Committee of the Festival Empire & Imperial Exhibition at Olympia, London, 1911 may be informed that the three albums & the photographs of their Highnesses the Maharajas of Mysore may be handed over to the Secy of State for India for permanent record in the India Office, London. |

NOTE—Contn. sheet.

GPB—50,000—12-8-10

Exbn. 1]

OFFICE OF THE PRESIDENT, MYSORE DASARA INDUSTRIAL AND AGRICULTURAL EXHIBITION.

No. 1652 ~~Bangalore~~ Mysore Dated 24th of December 19 11

DIARY No. R 2903

19/1-1912
SECTION Agri
FILE No. 90-10
EXHIBITION No. 7

From

G. H. KRUMBEIGEL, F.R.H.S.,
ECONOMIC BOTANIST,
PRESIDENT, DASARA EXHIBITION.

To

C. S. Balasundaram Iyer, Esq., B. A.,
Offg Secretary to the Government of
His Highness the Maharaja of Mysore,
Gen. & Rev. Departments, Bangalore.

SIR,

I have the honor to forward herewith in original for information a letter No. 3062/M dated 20th October 1911 received from Col: Hendley, C. I. E., Chairman, Festival of Empire, Imperial Exhibition and Pageant of London, requesting that the permission of Government for retaining in the India office at London the two photos,-one of ~~the~~ H. H. the Maharaja and the other of ~~the~~ H. H. the late Maharaja referred to against items 4 and 5 of your letter No. R. 5742/Agri. 90-10-4 dated 12th April 1911 may be obtained and communicated. May I request you to let me know if a reply in the affirmative could be sent The letter enclosed may kindly be returned.

I have the honor to be,
Sir,
Your most obedient servant,

For President.

From

THE PRESIDENT,
MYSORE DASARA EXHIBITION.

To

The Secretary to the
Government of Mysore,
Gen. and Rev. Deptts.,
Bangalore.

Dated 24-th

Despatched 25th December 1911.

Received

General Exbn. No. 1652

Enclosure No. One

---

Requesting that the permission of Government for retaining in the India office at London the two photos. sent to the Festival of Empire, Imperial Exhibition may be obtained and communicated.

Copy of letter No 3062 dt 20-10-11
11
from Colo Heneley, C.I.E. Chairman
Administration - Indian Committee
Festival of Empire, Imperial Indian
and Pageant of London, Crystal
Palace. May to October 1911.

---

4. Londown Road
St Johns wood, N.W.
20. 10. 11

To
The Economic Botanist
Govt Botanical Gardens
Bangalore

Dear Sir,

I am directed by my Committee to thank you for the 3 albums of photographs so kindly sent by you for Exhibition in the Indian Court of the Festival of Empire. I find, however, that in addition to the albums we have received 2 photographs of Maharajas of Mysore. It is understood that these portraits are to be handed over to the Secy of State for India for permanent record in the India office; before taking this step I shall be glad if you will be good enough to obtain the necessary Sanction of the Mysore State Govt.

Pending your reply to this letter I am holding over the Wheels of your Exhibit at the close of this Exhibn, when I shall be pleased to act on any instructions received from you.

Yrs faithfully
(Sd) W Benne
Secy to the Indian

3

G.R.S. 26]. 8/4/12

Ahn File No. 90-6

Serial No, 82

*Diary No. of letter replied to* 2903

No. R. 3837

Ens one

General and Revenue Secretariat

( Agra )

*the* *19*

To

G H. Krumbiegel Esq- I.R.H.S

President of the

Dasara I.L.A Exhn Cowe

*Date of issue* 10.1.12

Signed by Mon P.G. D'Souza

Sir,

With reference to

your letter no 1652 dy

24.12-11 in the matter

of the retention of certain

photographs at the India

office, London, out of those

sent to the Festival of

Empire Imperial Exhn

*over.*

SUBJECT.

and Pageant of London, 1911,

I am directed to state

that the ~~Secretary to the~~ Chairman of the

Indian Committee may

be informed ~~that in reply~~

~~to his letter of 20-12-11~~

that ~~he may hand over~~

~~all~~ the three albums and

~~as well as~~ the two photographs

of Their Highnesses Maharajas of Mysore may be handed over

to the Secretary of State

for India for permanent

record in the India Office,

London.

The Enclosure to your letter is herewith returned

I have &c.

*List of enclosures.*

for Officer in charge
6/1/12

Parl (55) Ed.

*Copied by*

*Examined by*

GPB—10,000—28-2-11.

1910
(Agriculture)
F. No: 92-10
S. Nos 1-6

Sub:- Measures adopted for the eradication of grass hoppers best in the Shimoga and Chitaldurg Districts

*Previous references.*

1910.
(Agriculture

File No. 92–10

Serial Nos. 1–6

*Later references*

# GENERAL AND REVENUE SECRETARIAT.

*Serial Nos.* 1–6

**Part B. for** February 1911.

SUBJECT.

Measures adopted for the eradication of the Grass-hopper pest in the Shimoga & Chitaldroog Districts.

1. From Dr. Coleman, Mycologist & Entomologist D.O. 332 dt/16.12.10.
Submits a report on the measures to be adopted for the eradication of the Grass-hopper pest which is doing much damage in parts of the Shimoga & Chitaldroog Dt.
2. The Supdt. Govt. Press. No R 4320 dt/28.1.11
Forwards a memo regarding the measures adopted for practising the spread of the grass hopper pest and states that the photographs may also be reproduced along with the memo both in the English & Kannada Copies of the Gazette and that the bill of cost for preparing the block

G. R. S. 58

(amounting to nearly Rs 72) may be sent to the Mycologist & Entomologist for payment together with the blocks after the publication of the memo.

To the Mycologist & Entomologist DR 4321 d/ 23.1.11. Forwards a copy of the above with the request that the bill may be paid for, the charge being debitted to the head "Illustrating Bulletins" in his budget.

3. To the Compiler, Mysore Gazette. No R 4322/23/1/11 Publishes an extract from a D.O. letter from the Govt. Mycologist on the subject of the remedial measures for preventing the spread of grass hopper pest. in the Gazette for general information.

4. D.O. from Dr Coleman d/ 31.1.11. States that he has arranged to publish at least 3 illustrated bulletins before the end of the official year, the allotment of Rs 500/ will suffice only for that purpose and that it is therefore not possible for him to spare any money out of that allotment for these purposes.

5. To Supdt. Govt. Press. No R 4550 d/ 2.2.11 States that the Cost of preparing the blocks viz Rs 72/ may be met from the Govt Press budget as Dr Coleman has reported to Govt that he cannot spare the amount from his budget R 4551 d/ 2.2.11. Fds Copy of the above to Dr. Coleman.

6. To the Compiler, Mysore Gazette. memo No R 4806 d/ 21.2.11. Publishes two more photographs to illustrate the damage done by the Grass-hopper pest.

GENERAL AND REVENUE SECRETARIAT

(Agri)

NOTES.

File No. 92-10

FILE HEADING.

Measures adopted for the eradication of the grass-hopper pest in the Shimoga & Chitaldrug Dts

From Dr. Coleman Mycologist & Entomologist

DO. No. 332 Dated 16.12.10 Received

Diary No. 3565 Enclos. 4 Photos Spare Copies Serial No. 1

BRIEF ABSTRACT OF LETTER.

Submits a report on the measures to be adopted for the eradication of the grass-hopper pest which is doing much damage in parts of the Shimoga & Chitaldrug Dts.

NOTES AND ORDERS.

DO. No. 336 of 23.12.1910 from Dr. Coleman

DO. No 1754 of 24.12.10 to Dr Coleman
States that the remedies proposed are such as the ryots themselves should adopt & suggests the distribution of leaflets in the matter.

From Dr Coleman DO. No 340 of 27.12.10
states that a bulletin will be issued in march next & that demonstrations are necessary before the ryots can adopt the preventive measures

NOTES—First sheet.

GPB—15,000—24-4-09

Agri 92:-10 2

Mercy I
Please attend to
this order
Wm
Dr. 12/1/.

dated

Mercy

Can we have
Immediately
Expense Expenditure
the Photos, well
Now - if not -
a Photo
be inserted in the
Journal in
Expenditure

13/2/11

The following extract from a D O letter No 332 dated the 16 December 1910 from the Government Mycologist and Entomologist (Dr. L.C. Coleman) is published for general information

Note
The following Dos are also put up hereunto:-

1) Do. No. 332 dt 16 Dec 10 (fr 1923) from Dr. Coleman with 4 photos.
2) Do. No. 336 dt 22 Dec 10 (fr 1912) from Dr. Coleman with 2 photos. *
3) Do. No. 1754 dt 24 Dec 10 fr Dr. Coleman.
4) Do. No. 342 dt 27 Dec 10 (fr 1934) from Dr. Coleman.

* These two photos were detached from the file and submitted to the Dewan on 17.2.11. CSK(10) 17.2.11

CSK(10) 13/2/11

G. R. S. 12 ]
General and Revenue Secretariat.

File No. 92 of 1910

Serial No.

Draft do. to Mr Yates Enquiring whether the photos can be reproduced without much delay & expense is sent

Secy.
(sd) 17-1-11

Proof
&
17.1.11

Do. to Mr. Yates, Supt Govt Press
No 78 & 17.1.11.
States that a report on the measures adopted for preventing the spread of grass hopper pest has to be published in the Gazette and Enquires whether the photographs a description of which is given in the report can be reproduced in the copies of the report to be published without much delay & Expense.

Do from Mr. Yates, Supt. Govt Press
& 18-1-11.
States that the cost of paper, printing & blocks will roughly amount to Rs 110/- and that the cost of the blocks is usually charged to the Dept concerned.
The cost of Each block is stated to come to about Rs 18/-. The total cost of the 4 blocks

NOTE—Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12 ]
General and Revenue Secretariat.

Agr File No. 92 of 19 10

Serial No.

will therefore come to Rs 72/- which Mr yates desires to be charged to the Mycologist & Entomologist's budget.

Without the photos, the report to be published will not be intelligible. or the references to the photos will have to be omitted.

Subd for orders

Sall
(55) 18/1/11
BKG
18/1/11

As the cost is moderate the photos may also be published Dr Coleman can have no difficulty for purchase Rs 72 from the amount placed at his disposal for illustrating bulletins

&
18/1/11

Sey

Please write Do to Dr Coleman & ask if he can find the money - The blocks will be useful to him later on perhaps

CPM
18/1/11

Issue D.O. forthwith

&
18/1/11

D.O. issued 2, copy of it being kept in the file - vide next page

Sall.
18/1/11

NOTE—Contn. sheet.

GPB—50,000—12-8-10

c.Apl 92-10

5

Public offices
18.1.11

Dear Dr. Coleman

With reference to your d.o letter no 332 of 16.12.10 to the Dewan regarding the grass-hopper pest, it is proposed to publish important parts of it in the Mysore Gazette with 4 of the photographs sent by you. Our press states that it will be necessary in order to print the photographs to get 4 process blocks which are likely to cost Rs 18 each approximately. Whenever work of this kind is undertaken by the Press, the cost of the blocks is charged to the Dept concerned. Please let me know whether you can provide the amount

Mr Yates also wants
the glass negatives to
the Lithos. to hand

Yours truly
(Sd) Pestonjee D'Souza
Under Secy

To
Dr Le Cleman Ph D

(G. R. S. 12 ]
General and Revenue Secretariat.

Mpr File No. 92 of 1910

Serial No.

19/1/11

Laboratory
19 January 1911

Dear Mr D'Souza,

I am in receipt of your D.O. of the 18th addressed to Dr Coleman who is now on deputation in Northern India.

There is a provision of Rs 500/- on our Budget for "Illustration of Bulletins", no part of which has yet been spent but which Dr Coleman I think fully expects to utilize before the close of the current official year for

Subd. for orders

Sam
(SS) 19.1.11

As the amount is not much, the note may be published with the plates as it will take some time before Dr Coleman returns

Secy:
Yes - Instructions 19/1/11

Note— Contn. sheet.

GPB—50,000—12-8-10

C1 R. S. 12 ]
General and Revenue
Secretariat.

Mr File No. 92 of 1910

probably be back in Bangalore
in about a week's time.

Yours Sincerely
Atkinson

Rt. Geo. D'Souza. Esq^r. B.A., B.L.,
Under Sec^y to Govt.

Some bulletins that he intends
to publish shortly. The
approximate Cost of the four
process blocks required, viz.
Rs 72/- may perhaps be met
out of this allotment.

I am Sending your letter
on to Dr Coleman today,
but I cannot be sure that
it will reach him as after
the Agricultural Conference
which closes today, he did
not Expect to have to
Stop long in any one
place. He will very pro-

Subd. for orders
Carr
(SS) 19.1.11
HHG
19/1/11 ... the amount is not much,
the note may be published with
the plates as it will take some
time before Dr Coleman returns
Secy ... &
yes - instructions 19/1/11
HHG 19/1/11

NOTE— Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12 ]
General and Revenue Secretariat.

Agr File No. 92 of 1910

8

| Serial No. | |
|---|---|
| | Subd with a draft of a letter to the Supt Govt Press. Bell (SS) 20/1/11 BKG Jan 20/1/11 Noted |
| 2 | To the Supt. Govt Press. No R 4320 & 23.1.11 Forwards a memo regarding the measures adopted for preventing the spread of the grass hopper pest and states that the photographs may also be reproduced along with the memo both in the English & Kannada copies of the Gazette; and that the bill of cost for preparing the blocks (amounting to nearly Rs 72/-) may be sent to the Mycologist & Entomologist for payment, together with the blocks after the publication of the memo. |
| | To the Mycologist & Entomologist No R 4321 & 23.1.11 Forwd a copy of the above with the request that the bill may be paid for the charge being debited to the head "Miscellaneous Bulletins" in his budget. |

copy of the memorandum to be issued in the Times of India for insertion in Kannada Prasarana 20/1/11

NOTE—Contn. sheet. 2

GPB—55,000—27-4-09

G.R.S. 12 ]
General and Revenue Secretariat.

Agr. File No. 92 of 1910

| Serial No. | |
|---|---|
| 3 | To the Compiler, Mysore Gazette<br>No. R 4322 dy 23-1-11.<br>Publish the ~~enclosed~~ an extract from a d.o letter from the Govt. mycologist on the subject of the remedial measures for preventing the spread of grasshopper pest, in the Gazette for general information. |
| | Published in the Gazette in Part IV of the 26th Jan. 1911 |
| 4. | Do from Dr Coleman dy 31-1-11.<br>States that he has arranged to publish at least 3 illustrated bulletins before the end of the yr the allotment of Rs 5000/- will ~~be~~ suffice only for that purpose and that it is therefore not possible for him to spare any money out of that allotment for other purposes.<br>This is with reference to the cost of the blocks amounting to about Rs 72 being met from the provision for 'illustrating bulletins' in the Mycologist & Entomologist's budget.<br>Subd for orders<br>Sd/ Under the circumstances<br>(Sd) 1-2-11 the Supdt Govt Press may be |

NOTE—Contn. sheet.

GPB—55,000—27.4.09

1/2/11

G. R. S. 12
General and Revenue Secretariat.

Apr File No. 92 of 1910

| Serial No. | |
|---|---|
| | ...s(c) to meet the amount from his budget |
| | 2/2/11 |
| | Draft letter to the Supt Govt Press is subd |
| | (55) 2-2-11. ieq / 2/2/11 |
| | Issue |
| 5. | To The Supt Govt Press No R 4550 of 2-2-11 States that the cost of preparing the blocks viz Rs 72 may be met from the Govt Press budget as Dr Coleman has reported to Govt that he can not spare the amount from his budget. |
| | R 4551 of 2-2-11 To copy of the above to Dr Coleman |

NOTE—Contn. sheet.

GPB—55,000—27.4.09

3826
R

Mysore Government Press,

Bangalore 6th Feb., 1912.

Dear Mr. D'Souza,

With reference to the circular on grasshoppers, which is to appear in the Gazette, will you kindly let me know if it is to appear in Kanarese as well as in English. If so, will you please make arrangements for supplying the copy. This question, or rather the answer to it, will determine how many copies of the illustrations I am to print. The blocks are being made.

Yours sincerely,

L. W. D'Souza.

R. G. D'Souza, Esq., B.A., Bar-at-Law.
Under Secretary to Govt

G.R.S. 13]

## Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

D 3826

DO. of 6.2-11 from Mr Yates. Supdt Govt Press

Requests to be informed whether the memo on grass hopper pest should be published in Kannanese also & if so to be supplied with the Kan. copy.

The Kannada copy of the memo. has been sent to the Compiler, Mysore Gazette for publication along with the Engl. copy — Reply informing Mr. Yates accordingly in Subd.

Calls —
7.2-11
Ahe
7/2/11

Init
&
7/2/11

Reply DO. No 8-2-218/2/11
7-2-11.

Dear Mr Yates -

With reference to your d.o of yesterday re the memo on grass hopper-pest to be published in the Gazette I write to say that the memo has to be published in the Kannada as well as the English copies of the Gazette. Both the Kannada & the English copies of the memo have been already sent to the Mysore Compositor this office letter No. 4220-Agri 82-10-2 of 23-1-11.

(Sd) R. S. D'Souza.

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

GPB—30,000—11-4 06

G. R. S. 12 ]
General and Revenue Secretariat.

Hfr File No. 92 of 1910

| Serial No. | |
|---|---|
| 6 | To the Compiler Mysore Gazette<br>Memo. No R 4806 dt 21-2-11<br>Publishes 2 more photographs to illustrate the damage done by the grasshopper pest<br><br>The photos were published in the Gazette dt 23-2-11 Pt IV |

NOTE—Contn. sheet.

GPB—50,000—12-8-10

D.O. No. 7 1923.

Office of the Mycologist & Entomologist,
Government of Mysore,
Bangalore, December 16th 1910.

Dear Sir,

I have just returned from an extended tour through parts of Chittaldroog and Shimoga district One of the objects was to ascertain as accurately as possible the damage done to jola and other dry land cereals by a grass-hopper pest which has appeared within the last three or four years in Davangere, Chitaldroog, Jagalur, Channagiri and Honnali Taluks and to inspect the results of work done in combating it at Honnali this year.

First as to the extent of damage there is no doubt that the pest has been becoming progressively worse ever since it appeared and I look upon it as the most sericus insect pest in Mysore today not from the extent of damage it has done but from its possibilities for the future. As far as I can at present see unless energetic steps are taken now it is likely to spread throughout the jola and ragi growing parts of the State. Its spread will no doubt be slow as the grass-hopper has no wings and therefore cannot fly but it will be none the less sure on that account.

The actual area in Mysore seriously attacked this year must be about 7,000 or 8,000 acres. On this whole area I should say the crop has been reduced to one half by the pest. Where the attack has been worst and that is probably over more than a thousand acres the loss has been practically a complete one. I should estimate the total loss

this year at about Rs. 50,000/-.

Now as to what we have been doing, I have had a man stationed at Honnali for about four months trying to persuade the people to take up certain measures to combat the pest. I spent considerable time there myself in the same connection and as a result in one village we were able to demonstrate to the satisfaction of the people that the pest can be controlled. The method used was a simple one, viz., catching the young grass-hoppers in large bags of a given pattern which are swept over the young crops. The cost of a bag is about one rupee.

In addition another method was attempted. The grass-hopper lays its eggs to a great extent in the fields in masses at a depth of about two inches. The young hoppers hatch in July and work their way to the surface through soil above them which is for the most part quite loose through cultivation. Experiments carried out by me in the laboratory have shown that the young hoppers are not able to push up through more than about 2½ inches of firm soil. It is clear then that if the eggs could be buried to a depth of six or seven inches most of the young grass-hoppers would never reach the surface at all but would die in the ground. This can be done by means of an improved plough which we are selling, and work was done in this connection at Honnali this year. Unfortunately on account of indifference and opposition on the part of the ryots we could get only about sixteen acres ploughed so that this method could not be given a fair test as grass-hoppers naturally came in in large numbers from the surrounding land.

The accompanying photographs taken by me on this tour will give you an idea of the damage done and the work we have done in combatting it.

A.- shows a plot where nothing was done and where the loss is practically a total one. An examination will show that the stalks have been quite devastated of leaves except for the midribs of the leaves which stand out like so many long needles from the stem. In the heads practically every ~~single~~ grain has been eaten out leaving simply an empty head. The crop is not worth harvesting for the grain that is left.

B. - This shows a plot not quite so badly attacked there being a few shreds of leaves left and a small amount of grain in the heads.

C. - This shows a plot which was deep ploughed and bagged only twice. The seed was placed far apart which accounts for the thin appearance of the crop. Some damage has been done and there would undoubtedly have been more had not the ~~xxxx~~ man's neighbours on practically all sides bagged much more thoroughly than he did so that they helped to save his crop.

D. - This shows jola in a plot which was ploughed deep and bagged 8 times. Last year this plot (8 acres) was the worst affected in the village the man getting only one candy of grain worth about Rs. 20/-. This year his is the best crop in the whole neighbourhood, estimated by him at 10 candies and by his neighbours at over 12 candies worth over Rs. 200/-. He places his whole expenses connected with the bagging at Rs. 6/-. Other crops where bagging was done less thoroughly are

not so completely saved, but in all cases the bagging paid for itself many times over.

I have given you this long explanation of the work done as I wish to make certain proposals in connection with it. It is clear that to get really good results a whole village should cooperate and this is just what they apparently will not do. The Amildar of Honnali Taluk therefore suggested to me that this Department take over the whole work for the coming year, pay the coolies for bagging &c., the cost to be met by an extra levy on the parties concerned. I had, of course, thought of this before, but was afraid of interfering with local matters too much and furthermore knew that it would mean an initial expenditure of very much more money than I could spare from my budget. I spoke to the Deputy Commissioner of Shimoga District and he thought it was a good idea. Now I should like to know whether it meets with your approval.

What I really propose doing are as follows:-

(a). Deep ploughing - I want to test this thoroughly on one or two whole villages. The ploughs are fairly expensive costing about Rs. 30/-. I want to hire ploughs out by the day to the ryots of these villages charging a fee just sufficient to cover wear &c. I have estimated it at about two or three annas per day. If the work is successful this year I have no doubt a number of landholders will go in for ploughs and the following year the operations could be extended to all the affected tracts.

(b). Bagging - This should be done in all the affected villages. One

fieldman should be appointed temporarily in each affected group of villages to see that the work was throughly and systematically done. Coolies would have to be hired to carry out the bagging. The whole of the operations would be under the supervision of two or three permanent members of the staff of this department

As noted above this means a good deal of initial expenditure. First of all, as regards the ploughs- it is clear that ploughs purchased for stocking the implement depot could not be utilized for they would naturally deteriorate in value and could not later be sold for their original cost price. Next the bags and coolies would mean a good deal of outlay which would, of course, all be recovered later on. It is clear that this expense could not be met out of my budget this year and as to the ploughing operations they will be all finished before the official year ends. I should therefore greatly appreciate it if you would let me know your opinion and as to whether Government is prepared to support such proposals if made officially. I may say that I thoroughly believe that energetic measures such as the above will mean an immense saving in the end, for the possibilities of loss from this pest are, I assure you, appalling.

Yours sincerely,
Leslie C. Coleman

T. Ananda Rao Esquire, B.A., C.I.E.,
Dewan of Mysore, Bangalore.

D.G No 336 D. O. No. Nr 1912 35666

R

Office of the Mycologist & Entomologi

Bangalore, 22nd December 191

C.E.R. Where is the D.O. No 332? Dewan

Dear Sir,

With reference to my D.O. No. 332 of the 16th instant which you informed me you had not received I find on enquiry that it was sent to your office on the 19th and the signature was obtained from one of the clerks in your office for its receipt. I trust that it has reached you by this time and if not I request you to inform me so that I may send you another copy.

Yours sincerely,

Leslie C. Coleman

T. Ananda Rao Esquire, B.A., C.I.E.,

Dewan of Mysore, Bangalore.

Dewan's order on the above letter :—

"C.E.R. Where is the D.O. No 332? 23/T AR 22 Dec 10."

Submitted

1. D.O. No. 332 was received by me on the 19th instant and submitted to the Dewan as usual unopened.

2. Two photos which were received with this letter from the Dewan today are also submitted herewith.

C.E.R. 22/12/10.

Baingalim

D. O. No. 1754 24 Dec.

My dear Sir

Since I met you last, I have seen your D.O. letter dated the 16th Dec re regarding the insect pest on jola fields in parts of the Shikarpur and Shimoga Distts.

2. The remedies proposed appear to be such as the ryots themselves should adopt You can only instruct

instruct them and
show them how to
do it. For this purpose
I would suggest your
drawing up a paper
of instructions in
English and Kanarese
and issue them in
the shape of leaflets
broadcast over the
affected areas

Yours Sincerely

[signature]

Dr. L. C. Coleman. M.D.
Mycologist & Entomologist
to the Govt: of H.H. the
Maharaja of Mysore.

Ordered 3 Gr D.O. No. 7r 1939 CO
Thompson
3567
Bangalore
27th December,
Dear Sir,

Please accept my thanks for your D.O. No. 1754 of the 24th December. A bulletin explaining the life-history of the Jola grasshopper and giving instructions as to how and when to combat it was in the course of preparation and will, I hope, be ready for distribution in March.

I quite agree that the proposed measures are such as the ryots should and can easily adopt, and I am fairly certain they will do so after it has been demonstrated to them that the proposed measures are effective.

I wish to point out, however, that we have here to do with a very different class of people from those who own areca gardens. In the one case we have to do with literate and fairly intelligent conservative brahmins



in the other with ryots ninety per cent of whom are illiterate.

I shall certainly do my best by means of talks in Canarese, demonstrations and the distribution of Canarese bulletins on the subject to get the pest under control but fear that progress will be so slow that it will take several years to get the ryots in the tracts already affected to take up vigorous remedies

measures. In the meantime the insect will keep on spreading.

Yours sincerely,
Leslie Coleman

J. Ananda Row, Esq., B.A., C.I.E.
Dewan of Mysore.

G.R.S. 26]

File No

Serial No.

*Diary No. of letter replied to* 3567

D.O. No. 78

17/1/11

General and Revenue Secretariat

( )

*, the* 19 .

~~To~~

Dear Mr Yates,

Date of issue 17/1/11

Signed by Noel P. Edwards

S.

A report on the measures adopted by Dr Coleman in preventing the spread of the grass hopper pest has to be published in the Gazette The report contains ~~the~~ ~~description~~ a description of the accompanying 4 photographs. Kindly let me know very early whether the photographs can without much delay & expense be reproduced in the copies of the reports

*over.*

SUBJECT.

17
to be published

yrs sincerely

A

Undersecy

bac

(55) 17-F-11

17/2/11

*List of enclosures,*

*Copied by*

*Examined by*

GPB—20,000—12-8-10

13

13

3581/12

Mysore Government Press,

Bangalore 18th Jan. 1911.

Dear Mr. D'Souza,

In reply to your D.O. No. 78 of yesterday enclosing four photos, will you kindly note that if they are required to appear in the Gazette with the report, it will be necessary to obtain four process blocks. The cost of these will be 12 annas per sq. inch. If they are reproduced about the same size as the photographs, they will cost approximately Rs. 18 each. They may possibly be reduced very little, but not much. If you intend having them done, please give instructions to have the glass negatives supplied me. If the pictures are to appear in the Gazette, they will have to be printed on art paper and inserted separately. Roughly, the cost of paper, printing, and blocks would come to Rs. 110. Whenever work of this kind has been undertaken by the Press the cost of blocks has been charged to the department requiring them. I return the photos herewith.

Yours sincerely,

C.H. Sales.

Superintendent.

To

P.G. D'SOUZA, Esq., B.A., B.L.,
Under Secretary.

147-8

2 copies

(4

G.R.S. 26]

Agr File No. 92-4

Serial No. 2

2 Ppr.

*Diary No. of letter replied to* 9156

No R4320

dt 23/1/11

Govt and Revenue Secretariat

( . )

, *the* 190

To

C. H. Yates, Esqr.

Supt, Govt Press

Date of issue 23/1/11

Sir,

Signed by Hon'ble Mr. D'Souza

I am directed to forward herewith for publication in Part IV of the Mysore Gazette a memorandum (both in English & Kannada) regarding the measures adopted for preventing the spread of the grass-hopper pest in parts of the Shimoga & Chitaldrug Dts, together with 4 photographs and to state that the photographs may also be reproduced in both the English & Kannada copies of the Gazette, the glass negatives being obtained from the Superintendent, Government Agri-

SUBJECT.

Agri

24-1-11

2. The bill of costs for the preparation of the 4 process blocks (amounting approximately to Rs 72 as stated in your dio letter of the 18th January 1911) may be sent to the Mycologist & Entomologist to Govt for payment together with the blocks after the publication of the memorandum.

I have &c

for offg Secy

R 4321 dt 23/1/11 M/c

Copy of the above is forwarded to the Mycologist & Entomologist to Govt with the request that the bill referred to above may be paid for the charge being debited to the head "Illustrating bulletins" in his budget for the current year.

By Order

Jam
(SI) 28/1/11

for M S Rees
M/c

List of enclosures

Copied by

Examined by

GPB—10,000—20-4-06.

2 copies

Draft

Memorandum.

Agr 92-10-3

3581

No.R 4322. dated 23/1/11

The following extract from a D.O. letter No.332 dated the 16th December 1910 from the Government Mycologist and Entomologist (Dr. L.C. Coleman) is published for general information:-

I have just returned from an extended tour through parts of Chitaldroog and Shimoga Districts. One of the objects was to ascertain as accurately as possible the damage done to jola and other dry land cereals by a grass-hopper pest which has appeared within the last three or four years in Davangere, Chitaldurg, Jagalur, Chennagiri and Honnali Taluks and to inspect the results of work done in combating it at Honnali this year.

First as to the extent of damage there is no doubt that the pest has been becoming progressively worse ever since it appeared and I look upon it as the most serious insect pest in Mysore to-day not from the extent of damage it has done but from its possibilities for the future. As far as I can at present see unless energetic steps are taken now it is likely to spread throughout the jola and ragi growing parts of the State. Its spread will no doubt be slow as the grass-hopper has no wings and therefore cannot fly but it will be none the less sure on that account.

(7)

The actual area in Mysore seriously attacked this year must be about 7,000 or 8,000 acres. On this whole area I should say the crop has been reduced to one half by the pest. Where the attack has been worst and that is probably over more than a thousand acres the loss has been practically a complete one. I should estimate the total loss this year at about Rs.50,000.

Now as to what we have been doing, I have had a man stationed at Honnali for about four months trying to persuade the people to take up certain measures to combat the pest. I spent considerable time there myself in the same connection and as a result in one village we were able to demonstrate to the satisfaction of the people that the pest can be controlled. The method used was a simple one, viz., catching the young grass-hoppers in large bags of a given pattern which are swept over the young crops. The cost of a bag is about one rupee.

In addition another method was attempted. The grass-hopper lays its eggs to a great extent in the fields in masses at a depth of about two inches. The young hoppers hatch in July and work their way to the surface through soil above them which is for the most part quite loose through cultivation. Experiments carried out by me in the laboratory have shown that the young hoppers are not able to push up through more than about 2½ inches of firm soil. It is clear then that if the eggs could be buried to a depth of six or seven inches most of the young grass-hoppers would never reach the surface at all but would die in the ground. This can be done by deep ploughing

by means of an improved plough which we are selling, and work was done in this connection at Honnali this year. Unfortunately on account of indifference and opposition on the part of the ryots we could get only about sixteen acres ploughed so that this method could not be given a fair test as gross-hoppers naturally came in in large numbers from the surrounding land.

The accompanying photographs taken by me on this tour will give you an idea of the damage done and the work we have done in combatting it.

A.- shows a plot where nothing was done and where the loss is practically a total one. An examination will show that the stalks have been quite devastated of leaves except for the midribs of the leaves which stand out like so many long needles from the stem. In the heads practically every grain has been eaten out leaving simply an empty head. The crop is not worth harvesting for the grain that is left.

B.- This shows a plot not quite so badly attacked there being a few shreds of leaves left and a small amount of grain in the heads.

C.- This shows a plot which was deep ploughed and bagged only twice. The seed was placed far apart which accounts for the thin appearance of the crop. Some damage has been done and there would undoubtedly have been more had not the man's

neighbours on practically all sides bagged much more thoroughly than he did so that they helped to save his crop.

D.- This shows jola in a plot which was ploughed deep and bagged 8 times. Last year this plot (8 acres) was the worst affected in the village the man getting only one candy of grain worth about Rs.20. This year his is the best crop in the whole neighbourhood, estimated by him at 10 candies and by his neighbours at over 12 candies worth over Rs.200. He places his whole expenses connected with the bagging at Rs.6. Other crops where bagging was done less thoroughly are not so completely saved, but in all cases the bagging paid for itself many times over.

I have given you this long explanation of the work done as I wish to make certain proposals in connection with it. It is clear that to get really good results a whole village should co-operate and this is just what they apparently will not do. x x x x

What I really propose doing are as follows:-

(a). Deep ploughing - I want to test this thoroughly on one or two whole villages. The ploughs are fairly expensive costing about Rs.30. I want to hire ploughs out by the day to the ryots of these villages charging a fee just sufficient to cover wear &c. I have estimated it at about two or three annas per day. If the work is successful this year I have no doubt a number of land-holders will go in for ploughs and the following year the operations could be

extended to all the affected tracts.

(b). Bagging - This should be done in all the affected villages. One fieldman should be appointed temporarily in each affected group of villages to see that the work was thoroughly and systematically done. Coolies would have to be hired to carry out the bagging. The whole of the operations would be under the supervision of two or three permanent members of the staff of this department.

x x x x

By order

Off Secy to Govt: Gen'l Depts.

Off
13/1/11

To
The Compiler, Mysore Gazette, for publication in Part IV of the Gazette.

Translate.

Ap 92-10-4 3756 R 21

Office of the Mycologist & Entomologist,
Government of Mysore,
Bangalore, January 31st 1911.

Dear Mr. D'Souza,

In reply to your D.O. of the 18th Instant which reached me a few days ago while on tour I regret to have to state that I do not see how I can spare money from the sum allotted to " Illustration of Bulletins " for the purpose you mention. As at present arranged I hope to publish at least three illustrated bulletins before the end of the year and it is certain that the allotment of Rs. 500/- will not cover the expense of illustrating these bulletins. You will therefore see that it will be impossible for me to spare any of the money for other purposes.

Yours sincerely,

Leslie C Coleman

4-2-11

G.R.S. 26]

Agn File No 92-10
Serial No. 5

*Diary No. of letter replied to* 3756.

No. R4530 of 8.2.11

General and Revenue Secretariat
( )
, *the* 19

To

C. H: Yates, Esqr.
Supt, Govt Press

Date of issue. 8.2.11

Signed by Noel P. Co. D'Souza

Sir,

With reference to this office letter no R 4320 - Agn 92-10-2 of 23-1-11 stating that the bills of costs for preparing the 4 blocks may be sent to Dr. Coleman for payment, I am directed to state that as Dr. Coleman has since reported to Govt that it is not possible for him to spare the sum of Rs 72 required for the blocks from the budget of his department, The said amount may be met from the Govt Press Budget

I have &c

SUBJECT.

Para
(55) 2-2-11
R4551 of 8/2/11

UM
Offg Secy
2/2/11

Copy to the Office Superintendent of Govt. Press with ref. to this d.o. of 31.1.11 R. O.

UM
Offg Secy

Superintendent
4/2/11

AM

2 copies

23

21/2/11 3.50 pm

No R 4806 Agri 92-10-6
of 21st February 1911

Memorandum

The accompanying ~~plot~~ two photographs are published in continuation of those published as a Supplement to the Mysore Gazette of the 16th Feb 1911, to illustrate the damage done by the grasshopper pest. The first ~~is~~ shows a jola lead in normal condition, while the second shows a jola lead damaged by the grasshopper

By order
C&M
Offg Secy
S & R Deptt.

2 Copies
Compared
21/II

To The compiler, Mysore Gazette for publication in Pt II of the Gazette